

L 38257-66 EWT(m)

ACC NR: AP6028654

SOURCE CODE: UR/0251/65/040/002/0463/0469

AUTHOR: Baramidze, T. G.; Katamadze, N. M.32
35
12ORG: Institute of Oncology, Tbilisi (Institut onkologii)TITLE: Working conditions for personnel engaged in activities involving applications of ionizing radiation 19

SOURCE: AN GruzSSR. Soobshcheniya, v. 40, no. 2, 1965, 463-469

TOPIC TAGS: radiation biologic effect, working condition, ionizing radiation, dosimetry, leukopenia, blood disease, radiation protection

ABSTRACT: The exposure to radiation and state of health of medical and auxiliary personnel employed at the radiological, x-ray diagnostic, and x-ray and gamma-therapeutic subdivisions of the Scientific Research Institute of Oncology and the Oncological Dispensary of the Ministry of Health, Georgian SSR, were studied. Individual dosimeters placed in the breast pocket or in protective gloves at the level of the wrist were applied and periodic blood tests carried out. Determination of the daily, weekly, and monthly doses to which the employees were exposed indicated that the permissible level of exposure was not exceeded as a rule, although there were some exceptions. Leukocytosis was encountered in 22.5% of cases. It was generally exhibited by persons employed in the type of work in question up to 3-6 years: persons employed for periods longer than that had leukopenia. In 9% of

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cases (six persons), pronounced leukopenia was observed (3,000-3,500 cells per mm³), but the condition was transient and did not involve radiation sickness. In 12% of cases the reaction of erythrocyte sedimentation was accelerated. On the basis of the observations made, use of equipment for remote control in connection with the washing of Ra applicators employed in the gynecological division of the Institute of Oncology is recommended and also the use of screens to protect personnel. This article was presented by Academician I. Ya. Tatishvili on 26 February 1965. L. Burduli, I. Tevzadze, and L. Yeliseyeva gave technical assistance. Orig. art. has: 5 tables. [JPRS: 36,932] 4

SUR CODE: 06 / SUBM DATE: 26Feb65

Card 2/21/LP

KATAVADZE, S. F.

26503 Vliyanije glubiny i srokov pakhoty na urozhaynost' kukuruz. Trudy adzhamet. Polevoi. Opyt. Stantsii, I. III, 1949, c. 53-7 - Na Gruz. Yaz. - Bibliogr: 10 nazv

SC: LETOPIS' NO. 35, 1949

KATAMADZE, Sh.M.; PIPIA, I.K., professor, direktor.

Case of cholecystitis with an unusually large number of calculi. Khirurgia no.3:73 Mr '53.
(MLRA 6:6)

1. Klinika gospital'noy khirurgii Tbilisskogo meditsinskogo instituta.
(Gall bladder--Calculi)

KATAMADZE, V.R.

Natural radium emanation in Tskhaltubo. Klin. med., Moskva 31 no. 5:48-
52 May 1953.
(CLML 25:1)

1. Docent. 2. Stalinir.

137-58-4-8106

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 4, p 249 (USSR)

AUTHOR: Katamadze, V.R.

TITLE: Refractive Index of X-rays in Metals (Pokazatel' prelomleniya rentgenovskikh luchey v metallakh)

PERIODICAL: Tr. Stalinirsk. gos. ped. in-t, 1956, Vol 3. pp 589-598

ABSTRACT: Photographs were used to determine the values of the R energies of reflected X-rays of the following wave lengths. $\lambda = 0.710$; 1.539; 1.655; and 1.933 angstrom from mirror surfaces of Al, Fe, Ni, and Cu at angles of incidence ≤ 1.3 of the limiting angle Q. By substituting the values found in the equation $R = (1 - aq + a^2/2) / (1 + aq + a^2/2)$, in which $q = \varphi/Q$ (φ being the angle of incidence), and $a = \sqrt{2(q^2 - 1)} + \sqrt{2(q - 1)^2 + \mu^2 \lambda^2 / 16\pi^2 \delta^2}$ (μ and δ are respectively the coefficients of absorption and refraction), the δ values of X-rays in the given metals were found. The possibility of employing the Kalman and Mark equations for theoretical calculation of δ with a mean error of 2% is noted.

P.S.

1. X-rays--Refractive index 2. X-ray--Energy--Measurement 3. X-ray reflection--Measurement 4. Metals--X-ray reflection--Measurement

Card 1/1

KATAMADZE, V.R., kandidat fiziko-khimicheskikh nauk (Stalinir)

Bathing program and the activity of gases dissolved in Tashaltubo
waters. Klin.med. 34 no.7:86-89 Jl '56. (MIRA 9:10)

1. Iz kafedryfiziki (zav. - V.R.Katamadze) Stalinirskogo pedago-
gicheskogo instituta
(BALNEOLOGY

Tskhaltubskii waters, system of bath taking &
effectiveness of diluted gases)

KATAMAY, B.I., mekhanik-naladchik defektoskopov

Flaw detecting device without supporting rollers. Put' i put.
khoz. 7 no.10:32 '63. (MIRA 16:12)

1. Stantsiya Ivano-Frankovsk, L'vovskoy dorogi.

KATANIDZE, A.I.

Certain characteristics of vascular reactions in the initial phase
of hypertension; preliminary communication. Zhur. nevr. i psikh.
54. no.10:847-851 O '54. (MLRA 7:11)

1. Nevrologicheskaya klinika Moskovskogo oblastnogo nauchno-
issledovatel'skogo klinicheskogo instituta imeni M.F.Vladimirovskogo.
(HYPERTENSION, physiology,
vascular reactions in initial phases of hypertension)
(BLOOD VESSELS, in various diseases,
hypertension, vascular reactions in initial phases)

3(7)

SOV/107-59-2-32/55

AUTHOR: Katan, A.

TITLE: Experience Exchange (Obmen opyтом) - A Home-Made
Densimeter (Samodel'nyy areometr)

PERIODICAL: Radio, 1959, Nr 2, p 39 (USSR)

ABSTRACT: This is a short description of how to manufacture
a densimeter using a medical ampoule, a piece of
paper, and small pieces of lead.

ASSOCIATION: Sovkhoz "Chabanovka" Moldavskoy SSR (The "Chabanovka"
Sovkhoz of the Moldavian SSR)

Card 1/1

KATAN, A.S.

Modernizing a wiredrawing machine at the Petrovskii Plant.
Met. i gornorud. prom. no.6:69-70 N-D '65.

(MIRA 18:12)

KATHAN E.

BELGRADE, AKTIVITETI PETROVACI, Vol. 12, No. 3-4, 1962

- 2/2 -

KATAN, Elieser, sanitetski potpukovnik, mr. ph.

Care of military and political leaders for the supply of medical materials during the national liberation war. Vojnosanit. prav. 22 no. 4:252-256 Ap'63.

KATANA - A 1

PROBLEMS AND PROPERTIES 405

三

Magnetic separator for granulated sugar. I. V. Oseidzeiko and A. I. Kainan. Sakhur 1940, No. 7, 16-17. A description and drawing are given of an electromagnet for separation of iron scale from refined sugar. V. K. Balkow

ASM-SEA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R00072110015-3"

KATANA, A.I.

Limestone

Mechanizing the crushing of lime stone. Sakh. prom 26 No.1, 1952

9. Monthly List of Russian Accessions, Library of Congress, April 1953, 2 Uncl.

KATANA, A.I.

Protecting rotors of TV-80XL, 6 turboblowers from unbalance.
Sakh. prom. 34 no.8:55-56 Ag '61. (MIRA 14:8)

1. Krasnodarskiy sakhsvetklotrest.
(Sugar industry--Equipment and supplies)

KATANA, A. I.

Improve the quality of Kuban sugar. Sakh. prom. 36 no. 10:9-12
0 '62. (MIRA 15:10)

1. Krasnodarskiy gosudarstvennyy trest po vyrashchivaniyu
sakharoy svezly.

(Kuban—Sugar manufacture)

KATANA, A.I.

Experience in the use of an electric separator for the sorting
of granulated sugar. Sakh. prom. 37 no.4:49-50 Ap '63.
(MIRA 16:7)

1. Krasnodarskiy gosudarstvennyy trest po vyrashchivaniyu
sakharoy sverkly.

(Sugar machinery)

KATANA, H.; BOBER, T.

"Achievements reached by the Introduction of Modern Methods of Building Management.," (Conclusion) P. 36. (BUDOWNICTWO PRZEMYSLOWE, Vol. 3, No. 3, Mar. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1, Jan. 1955 Uncl.

KATANA, H.

The documentation of organization of construction supplied by a Polish technical group for the Korean construction. p. 76.
(PRZEGLAD BUDOWLANY. Vol. 28, no.2, Feb. 1956, Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957.
Uncl.

L 09385-67 EWT(1) IJP(c)

ACC NR: AR6093788 SOURCE CODE: UR/0058/66/000/007/E070/E071 47.

AUTHOR: Cheban, A. G.; Rozneritsa, Ya. A.; Katana, P. K.; Prepelitsa, B. V.

TITLE: Effect of electric and magnetic fields on local states in semiconductors and dielectrics

SOURCE: Ref. zh. Fizika, Abs. 7E534

REF SOURCE: Uch. zap. Kishinevsk. un-t, no. 80, 1966, 68-98

TOPIC TAGS: electric field, magnetic field, semiconductor, dielectric, impurity center, impurity absorption, optical absorption

ABSTRACT: An investigation is made of the mechanism of thermal field ionization of impurity centers in semiconductors. A formula which takes into account the disintegration of impurity centers is derived for charge-carrier concentration as a function of electric field intensity. The effects of the electric and magnetic fields on the coefficient of optical absorption as a function of impurity centers is also investigated. It is shown that in the region of impurity absorption, as well as in fundamental absorption, the electrical field displaces the absorption edge toward lower frequencies. The effect of the magnetic field on the impurity absorption edge

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L 09385-67

ACC NR: AR6033789

manifests itself in the appearance of oscillating magnetic absorption curves, which make it possible to determine the effective mass of the charge carriers. The effect of the magnetic field on the F' absorption band is also investigated. The frequency function of the absorption coefficient in photoionization of the F-center in the presence of the magnetic field is oscillatory in form. [Translation of abstract]

SUB CODE: 20/

Card 2/2 mle

S/181/62/004/007/004/037
B102/B104

AUTHOR: Katana, P. K.

TITLE: Single-particle Green quantum functions of multiphonon transition theory

PERIODICAL: Fizika tverdogo tela, v. 4, no. 7, 1962, 1710 - 1716

TEXT: The expression for the probability of quantum transition in polarons and F-centers
$$J(\nu) = \sum_m W_m \left| \int \Phi_{ba}^*(q) M_{ba}(q) \Phi_{bm}(q) dq \right|^2 \delta(E_{ba} - E_{bm} - h\nu), \quad (1)$$

can be given, according to Lax (J. Chem. Phys. 20, 1752, 1952), as

$$I(t) = \frac{\text{Sp}[M_{ba}^+(q) e^{-\frac{i}{\hbar} H_B t} M_{ba}(q) e^{\frac{i}{\hbar} H_B t} e^{-\delta E_B t}]}{\text{Sp}[e^{-\delta E_B t}]} \quad (2) \quad \text{where } I(t) = \int J(\nu) e^{-2\pi i \nu t} d\nu.$$

(2) has been studied already by S. V. Tyablikov and V. N. Moskalenko (Ref. 6: Tr. Matem. inst. im. V. A. Steklova, XIV, 267, 1961) on the basis of Green's quantum function theory. In the present paper the results obtained in these studies are generalized for more complex operators M_{ba} (M_{ba} , a phonon opera-

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S/181/62/004/007/004/037.
B102/B104

Single-particle Green quantum ...

tor signifies a matrix element of transitions between electron states of the system). In addition, it is shown that Green's multi-particle functions of the multi-phonon transition theory, e. g.

$$D(1, 2, 3, 4, 5) = \frac{\langle T[b_{\mu_1}(\tau_1) b_{\mu_2}(\tau_2) b_{\mu_3}(\tau_3) b_{\mu_4}(\tau_4) b_{\mu_5}(\tau_5) u_a(t)]\rangle}{\langle u_a(t) \rangle}, \quad \left. \begin{array}{l} \\ \end{array} \right\} \quad (11)$$

$$D(1, 2, 3, 4 | 5) = \frac{\langle T[b_{\mu_1}(\tau_1) b_{\mu_2}(\tau_2) b_{\mu_3}(\tau_3) b_{\mu_4}(\tau_4) b_{\mu_5}^+(\tau_5) u_a(t)]\rangle}{\langle u_a(t) \rangle} \quad \left. \begin{array}{l} \\ \end{array} \right\}$$

(for the case where M_{ba} is cubical with respect to the Bose amplitude) can be represented as functions solely of φ and Δ , in a relatively simple way;

$$\varphi(\mu, \tau) = \frac{\langle P[b_{\mu}(\tau) u_a(t)]\rangle}{\langle u_a(t) \rangle}, \quad \left. \begin{array}{l} \\ \end{array} \right\}$$

$$\varphi(|\mu, \tau) = \frac{\langle P[b_{\mu}^+(\tau) u_a(t)]\rangle}{\langle u_a(t) \rangle}, \quad \left. \begin{array}{l} \\ \end{array} \right\}$$

(8), Δ is defined in Ref. 6. A closed expression of the equations for Green's functions is arrived at by the method of functional derivatives, from which that Green functional is

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Single-particle Green quantum ...

S/181/62/004/007/004/037
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developed which automatically yields all theoretical Green functions in a particular case. For Green's functional $\sigma[\gamma, \gamma^+]$ (Martin, Schwinger, Phys. Rev., 115, 1342, 1959) the solution

$$\sigma = \exp \left[\gamma(1)\varphi(1) + \gamma^+(1)\varphi(1) + \frac{1}{2}\gamma(1)\gamma(2)\Delta(1, 2) + \right. \\ \left. + \frac{1}{2}\gamma^+(1)\gamma^+(2)\Delta(1, 2) - \gamma(1)\gamma^+(2)\Delta(1|2) \right]. \quad (27)$$

is obtained. 

ASSOCIATION: Kishinevskiy gosudarstvennyy universitet (Kishinev State University)

SUBMITTED: January 2, 1962

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L 9257-56 EPT(1)/T/EWA(h) IJP(c) AT SOURCE CODE: UR/0181/65/007/009/2735/2739
ACC NR: AP5022715 44, 55 44, 55 44, 55
AUTHOR: Cheban, A. G.; Katana, P. K. 44, 55
ORG: All-Union Scientific Research Institute of Current Sources, Moscow (Vsesoyuznyy nauchno-issledovatel'skiy institut istochnikov toka)
TITLE: On the theory of thermofield ionization of impurity centers
SOURCE: Fizika tverdogo tela, v. 7, no. 9, 1965, 2735-2739 21, 44, 55
TOPIC TAGS: thermal ionization, impurity center, semiconductor research, semiconductor theory

ABSTRACT: The authors examine various mechanisms for thermofield ionization of electron impurity centers with regard to tunnel decay and thermal ionization stimulated by an electric field (Frenkel mechanism) in semiconductors of the GaAs and InSb types. Both the direct and successive-transition mechanisms are considered for thermofield ionization of the impurity center from the ground state s_1 to the conduction band through the first excited level s_2 . A formula is given for the total probability of ionization with regard to both types of transition, and expressions are derived for calculating the various parameters which appear in this formula. An equation is given for the deformation potential which serves as the operator for interaction of an electron with acoustic vibrations of the crystal lattice for the case of nonradia-

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ACC NR: AP5022715

tive transitions. The effective capture diameter and current carrier concentration are calculated as functions of the intensity of the applied electric field. The results are tabulated for $T = 11.3^{\circ}\text{K}$. Current-voltage characteristics are studied for deviations from Ohm's law at low temperatures. The proposed ionization mechanism fails to account for the considerable deviations from Ohm's law observed experimentally. An explanation of this phenomenon as well as the negative conductivity which appears at helium temperatures would require taking account of mechanisms of impact ionization and recombination in an electric field. Orig. art. has: 21 formulas, 1 table.

SUB CODE: 20/

SUBM DATE: 05Apr65/

ORIG REF: 004/

OTH REF: 003

Card 2/2 DW

KATANAYEVA, V.P.

Use of capron in enterprises of the Irkutsk Economic Council.
Mashinostroitel' no.5:8-9 My '62.
(Irkutsk Province—Nylon) (MIRA 15:5)

KATANAYEVA, Valentina Petrovna, inzh.; PEN'TYUKHOV, I.P., red.;
PECHERSKAYA, T.I., tekhn. red.

[Capron in machinery manufacture] Kapron v mashinostroenii.
Irkuts, Irkutskoe knizhnoe izd-vo, 1961. 39 p.
(MIRA 16:4)

(Nylon) (Machinery industry)

PAVLENKO, G.; ARSHAVSKIY, A., sovetnik yustitsii; KATANER, G.;
TSIPERFIN, I., inzh.; KRYANNIKOV, A., shofer; ZHALNIN, A.

Readers' letters. Avt. transp. 41 no.6:57-58 Je '63.
(MIRA 16:8)

1. Starshiy inzh. Ministerstva avtomobil'nogo transporta
Kirgizskoy SSR (for Kataner). 2. Oktyabr'skoye avtovozhodyaystvo
Volgogradskogo avtoupravleniya (for Kryannikov).

KATANIKOV, A.V.

In the city on the Sheksna River. Volog. krai no.2:118-130
'60. (MIRA 14:11)

1. Sekretar' Cherepovetskogo gorodskogo komiteta Kommunisticheskoy partii Sovetskogo Soyuza.
(Cherepovets)

BLANK, Aleksandr Solomonovich; KATANIKOV, Aleksandr Vasil'yevich;
ANNINA, T.A., red.;

Cherepovets. Izd.2., dop. i ispr. Vologda, Vologodskoe
knizhnoe izd-vo, 1963. 183 p. (MIRA 16:7)
(Cherepovets--Economic conditions)

KATANIN, N.

TRUNOV, Kh.; ~~KATANIN, N.~~; NOVICHKOVA, I., redaktor; SHAPOVA, M.,
tekhnicheskiy redaktor

[Through the Kabardian A.S.S.R.; photographs] Po Kabardino-Balkarii.
Fotografii. [Moskva] Gos. izd-vo izobraz. iskusstva, 1957.
(Kabardia--Views)
(MLRA 10:6)

1. KATANOV, B. A.; ISAYEV, A. I.
2. USSR (600)
4. Metal Cutting
7. Set of posters on the subject of surface finish ("Quality of surface finish." P. Ye. D'yachenko, I. S. Shteynberg. Reviewed by Eng. B. A. Katanov, Prof. A. I. Isayev). Vest. mash. 32 no. 8 1952.
9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

KATANOV, B.A., inzhener.

On A.I.Pogumirskii's and B.P.Kaverin's book "Engineering drawing."
(Letter to the editor). Vest. mash. 33 no.12:99-100 D '53.

(MIRA 6:12)

(Mechanical drawing) (Pogumirskii, A.I.) (Kaverin, B.P.)

KATANOV, B., inzhener.

Rotary boring in coal pits. Mast. ugl. 4 no.10:17-18 0 '55.
(Rock drills) (MLRA 9:1)

KATANOV, B.

Boreholes of large diameter. Mast.ugl.5 no.9:14 S '56. (MIRA 9:10)
(Sakhalin--Bering)

KATANOV B.
KATANOV, B.

~~Methods of increasing the efficiency of rotary boring. Mast. ugl.~~
6 no.12:8 D '57. (MIRA 11:1)
(Boring)

~~KATANOV, B.A., inzhener.~~

The SVB-2 drill. Mekh.trud.rab. 11 no.5:28-30 My '57. (MIRA 10:7)
(Boring machinery)

KATANOV, B.A., inzh.

Principles of the theory of extracting smalls by means of auger-type rods during rotary boring. Izv. vys. ucheb. zav.; gor. zhur. no.1: 65-72 '58. (MIRA 11:5)

1. Sverdlovskiy gornyy institut.
(Boring machinery)

KATANOV, B.A., inzh.

Ways of improving bore bits for rotary rod boring of blast holes.
Izv.vys.ucheb.zav.; gor. zhur. no.4:76-81 '58. (MIRA 11:11)

1. Sverdlovskiy gornyy institut.
(Boring machinery)

KATANOV, B.

Tools for rotary boring of large diameter holes. Mast. ug1. 7
no. 6:9 Je '58. (MIRA 11:7)
(Boring machinery)

KATANOV, B.A., inzh.

Determining the power consumed in rotary screw boring of holes.
Izv.vys.ucheb.zav.; gor.shur. no.9:101-107 '58.
(MIRA 12:6)

1. Kemerovskiy gornyy institut.
(Boring machinery)

AUTHOR: Katanov, B.A., Engineer SOV/122-58-12-5/32

TITLE: The Determination of the Output of a Vertical Screw Conveyor (Opredeleniya proizvoditel'nosti vertikal'nogo shnekovogo konveyera)

PERIODICAL: Vestnik Mashinostroyeniya, 1958, Nr 12, pp 16-19 (USSR)

ABSTRACT: The equations of motion of a particle under the influence of its weight, the centrifugal and the friction forces, are given. It is pointed out that without further assumptions, the elementary equations contain too many unknowns. The assumption is made that the vertical component of the friction force caused by centrifugal pressure against the outside casing is equivalent to an increase of the weight of the particle. From this, equations (7) and (8) for the rotational speed of the particle are derived which are plotted in Figs 2 and 3, the use of which is explained with the help of a numerical example. A formula is given expressing the output in terms of the screw pitch, the shaft and casing diameters and the rotational speeds of particles near the shaft and in the mean section (Eq. 9). The power required for conveying is expressed in Eq (13).

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SOV/122-58-12-5/32

The Determination of the Output of a Vertical Screw Conveyor

The practically required power is up to 30% higher.

There are 3 figures, 2 tables and 2 Soviet references.

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KATANOV, B.A., inzh.

Improving bits for rotary boring of blast holes. Ugol' 34 no.11:
23-25 N '59 (MIRA 13:3)
(Boring machinery)

KATANOV, Boris Aleksandrovich; SAFOKHIN, Mikhail Samsonovich;
SHOROKHOVA, A.V., otv.red.; SHKLYAR, S.Ya., tekhn.red.

[Using rotary drilling rigs in coal beds] Stanki vrashchatel'nogo
burenija na ugol'nykh razrezakh. Moskva, Gos.nauchno-tekhn.izd-vo
lit-ry po gornomu delu, 1960. 146 p.

(MIRA 14:6)

(Coal mining machinery) (Rock drills)

KATANOV, B.A., inzh.

Defining the kinematics of the walking mechanism on BS-110/25
boring machines. Izv.vys.ucheb.zav.; gor.zhur. no.1:109-114
'60. (MIRA 13:6)

1. Kemerovskiy gornyy institut. Rekomendovana kafedroy gornykh
mashin in rudnichnogo transporta.
(Boring machinery) (Machinery, Kinematics of)

SAFOKHIN, M.S.; KATANOV, B.A.

Testing the reamers of crosscutting and boring machines. Ugol'
Ukr. 4 no. 11:35-36 N '60. (MIRA 13:12)
(Boring machinery--Testing)

KATANOV, B.A., inzh.

Determining economically advantageous conditions of rotary boring.
Izv. vys. ucheb. zav.; gor. zhur. no.12:93-95 '80. (MIRA 14:1)

1. Kemerovskiy gornyy institut. Rekomendovana kafedroy gornykh
mashin i rudnichnogo transporta Kemerovskogo gornogo instituta.
(Boring)

SAFOKHIN, Mikhail Samsonovich; KATANOV, Boris Aleksandrovich; LYUBIMOV,
N.G., otv. red.; BOLIVREVA, Z.A., tekhn. red.

[Operator of a drilling rig in an open pit] Mashinist burovogo
stanka na kar'ere. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po
gornomu delu, 1961. 249 p. (MIRA 15:2)
(Boring machinery) (Strip mining)

SAFOKHIN, M.S., inzh.; KATANOV, B.A., inzh.

Boring hole, with showing evidence. *Место проходки в ячейке 5 №.1:*
8-2 Ja 'el. (MIRA 14:2)
(boring)

KATANOV, B.A., kand.tekhn.nauk

Determining axial pressure in rotary screw drilling. Izv.vys.ucheb.
zav.; gor.zhur. no.3:109-116 '61. (MIRA 15:4)

1. Kemerovskiy gornyy institut; rekomendovana kafedroy gornykh
mashin i rudnichnogo transporta Kemerovskogo gornogo instituta.
(Boring machinery)

SAFOKHIN, Mikhail Samsonovich; KATANOV, Boris Aleksandrovich; LOGUNOV, Nikolay Fedorovich; BARKANOV, Yevgeniy Ivanovich; SOKOLOV, A.I., otd. red.; ABARBARCHUK, F.I., red. izd-va; MINSKER, L.I., tekhn. red.

[Crosscutting and boring machines and drill bits] Buro-sboechnye mashiny i burovoyi instrument. [By] M.S.Safokhin i dr. Moskva, Gosgortekhizdat, 1962. 208 p. (MIRA 15:9)
(Boring machinery)

SAFONHIN, M.S., inzh.; KATANOV, B.A., kand.tekhn.nauk

Replaceable teeth for bits for auger-drilling of blastholes in
open pits. Izv. vys. uch. zav.; gor. zhur. 5 no.6:106-108
'62. (MIRA 15:9)

1. Kemerovskiy gornyy institut. Rekomendovana kafedroy gornykh
mashin i rudnichnogo transporta.
(Boring machinery)

KATANOV, Boris Aleksandrovich; SAFOKHIN, Mikhail Samsonovich;
KUTUZOV, B.N., kand. tekhn. nauk, retsenzent; LYUBIMOV, N.G.,
otv. red.; OVSEYENKO, V.G., tekhn. red.; MAKSIMOVA, V.V., tekhn. red.

[Handbook for drill operators] Spravochnik mashinista burovogo
stanka. Moskva, Gosgortekhizdat, 1963. 200 p. (MIRA 16:6)
(Boring machinery)

SAFOKHIN, M.S., starshiy prepodavatel'; KATANOV, B.A., dotsent, kand. tekhn.
nauk

Results of testing the BGA-2 drill and drilling instrument. Sbor.
nauch. trud. Kem. gor. inst. no.5:17-23 '64.

(MIRA 18:3)

1. Gorno-elektromekhanicheskiy fakul'tet Kemerovskogo gornogo
instituta.

KATANOV, B.A., dotsent, kand. tekhn. nauk; SAFOKHIN, M.S., starshiy prepodavatel'

Bits for auger drilling of abrasive rock. Sbor. nauch. trud. Kem.
gor. inst. no.5:157-164 '64. (MIRA 18:3)

1. Gorno-elektromekhanicheskiy fakul'tet Kemerovskogo gornogo
instituta.

MAK, I.L., inzh.; KATANOV, D.D., inzh.

Still waste is a valuable mineralizer for the production of cement fiberboard. Stroi.mat. 9 no.3:15-17 Mr '63.

(Fiberboard)

(MIRA 16:4)

ACC NR: AP6036112

SOURCE CODE: UR/0365/66/002/006/0678/0685

AUTHOR: Arkharov, V. I.; Katanov, L. M.

ORG: Ural State University im. Gor'kiy (Ural'skiy gosudarstvennyy universitet)

TITLE: Effect of scale formation conditions on the morphology of chromium nitrides

SOURCE: Zashchita metallov, v. 2, no. 6, 1966, 678-685

TOPIC TAGS: metal scaling, chromium compound, nitride

ABSTRACT: The article reports a study of the diffusional growth of chromium nitrides and the effect of the conditions of this growth on the morphology and composition of the scale. The experiments were carried out in an ammonia atmosphere at temperatures from 700-1200°. The chromium samples were in the form of hollow cylinders with a length of 30 mm and a wall thickness of 0.3-0.5 mm. Chromium was deposited electrolytically on copper tubes, which were then dissolved in nitric acid. Before being put into the furnace, the samples were washed with acetone. Diffusion annealing was carried out in a quartz tube placed in a vertical electric furnace. Technical grade ammonia from a cylinder was used for the atmosphere. In some of the experiments, the partial pressure of nitrogen in the working space was reduced by the addition of hydrogen. The samples were annealed at 700, 800, 900, 1000, 1100, and 1200°. The annealing time varied from 12 to 5 hours depending on the temperature. Based on the

UDC: 620.193.5:620.198

Card 1/2

ACC NR: AP6036112

experimental data, a series of curves illustrates the dependence of the increase in weight of the samples on the annealing time at different temperatures, and in different atmospheres. An extensive table shows the experimental data on the nitriding of chromium in an ammonia atmosphere. The data includes the temperature, the atmosphere, the nitriding time, the phase composition of the scale formed (by x ray analysis), and the increase in weight. It is seen that at 1000, 1100, and 1200°, the increase in weight is particularly significant in an atmosphere of undissociated ammonia. In general it was observed that the process of scale formation takes place according to a parabolic law; this reflects the diffusional nature of the process, and is evidence that the scale grows monolithically and that it does not contain mechanical defects. Orig. art. has: 5 formulas, 4 figures and 3 tables.

SUB CODE: 11/ SUBM DATE: 17Jan66/ ORIG REF: 008/ OTH REF: 008

Card 2/2

KATANOV, L.N.

Investigation of the Cr_2C_3 -Fe, Cr_7C -Fe, and Cr_2C -Ti systems at temperatures below 2500 C.

Title: Seminar on refractory metals, compounds, and alloys (Kiev, April 1963).

Source: Atomnaya energiya, v. 15, no. 3, 1963, 266-267.

187500

80537
S/126/60/009/05/023/025

AUTHORS:

Rybalko, F.P., Baynov, M.A. and Katanov, L.M.

E021/E335

TITLE:

Artificial Growing of Undefomed Single Crystals of a
Given Form and Surface CleanlinessPERIODICAL: Fizika metallov i metallovedeniye, 1960, Vol 9, Nr 5,
pp 796 - 797 (USSR)ABSTRACT: The substance of the method of growing single crystals
with the above requirements is the following. A specimen
with the required form and surface purity is prepared
mechanically from a polycrystalline sample. In one place
it ends with a projecting sharp cone. The specimen is placed
with the cone underneath, in a metal container which is
filled with finely dispersed powder. The powder is finer
than the roughness of the surface of the crystal required.
The container is placed in an electric furnace, the centre
of which is at a temperature above the melting point of
the metal. It is then pulled through the furnace slowly,
controlled by a clock mechanism. To extract the single
crystal grown in this way, it is sufficient to tap the
container lightly. Various metallic oxides can be used
as the powder. Aluminium oxide has been used for

Card1/2

80537

S/126/60/009/05/023/025

E021/E335

Artificial Growing of Undeformed Single Crystals of a Given Form
and Surface Cleanliness

aluminium and zinc oxide for zinc single crystals. The
powder is heated to 200 to 300 °C before use to remove
moisture. Single crystals of various shapes have been
prepared in this way. A zinc single crystal is shown in
the photograph. There is 1 figure. 

Card 2/2

KAZARINOV, Valentin Makarovich, doktor tekhn.nauk; KATANOV, Mikhail
Ivanovich, inzh.; MEDVEDEV, Valer'yan Vasil'yevich, inzh.; MEDLIN,
Rogvalod Yakovlevich, inzh.; TROFIMOV, Sergey L'vovich, inzh.;
FIL'KOV, Nikolay Iosifovich, inzh.; SAZONOV, A.G., inzh., red.;
KHITROW, P.A., tekhn.red.

[Railroad rolling stock] Podvizhnoi sostav zheleznykh dorog.
Moskva, Vses.izdatel'sko-poligr. ob"edinenie M-va putei soobshche-
nia, 1960. 367 p.
(Railroads--Rolling stock)

DROBINSKIY, V.A., inzh.; YEGUNOV, P.M., kand. tekhn.nauk;
VOLODIN, A.I., kand.tekhn.nauk, retsenzent; GROMOV,
S.A., kand. tekhn.nauk, retsenzent; POPOV, G.V., kand.
tekhn. nauk, retsenzent; BOL'SHAKOV, A.S., inzh.,
retsenzent; KATANOV, M.I., inzh., retsenzent; SIROTKO,
V.D., kand. tekhn. nauk, red.; USENKO, L.A., tekhn.red.

[How a diesel locomotive is built and operates] Kak ustroen
i rabotaet teplovoz. Izd.2., perer. i dop. Moskov, Trans-
zheldorizdat, 1963. 380 p. (MIRA 17:1)

KATANOV, I. I.
USSR/Biochemistry

Card 1/1

Authors : Katanova, I. I. and Orekhovich, V. N., Active Member of the Acad. of Med. Scs. of the USSR

Title : On synthesis of peptides by chymotrypsin

Periodical : Dokl AN SSSR, 95, 6, 1259 - 1262, 21 Apr 1954

Abstract : The article describes experiments in the synthesis of peptide bonds and the increase of the peptide chain. The experiments were performed by the method of proteolytic ferments of various origins. Ethyl ether of tyrosine was used as a substrate in the experiment and chymotrypsin as a ferment.

Institution : Inst. of Biolog. Medic. Chem. of the Acad. of Medic. Scs. of the USSR

Submitted : 25 Jan 1954

ARISTOVSKAYA, T.V.; VLADIMIRSKAYA, M.Ye.; GOLIERBAKH, M.M.; KATANSKAYA, F.A.; KASHKIN, P.N.; KLUPT, S.Ye.; LOZINA-LOZINSKIY, L.K.; NORKINA, S.P.; RUMYANTSEVA, V.M.; SELIBER, G.L., prof. [deceased]; SKALON, I.S.; SKORODUMOVA, A.M.; KHETAGUROVA, F.V.; CHASTUKHIN, V.Ya.; PARSHADANOVA, K.G., red.; GARINA, T.D., tekhn. red.

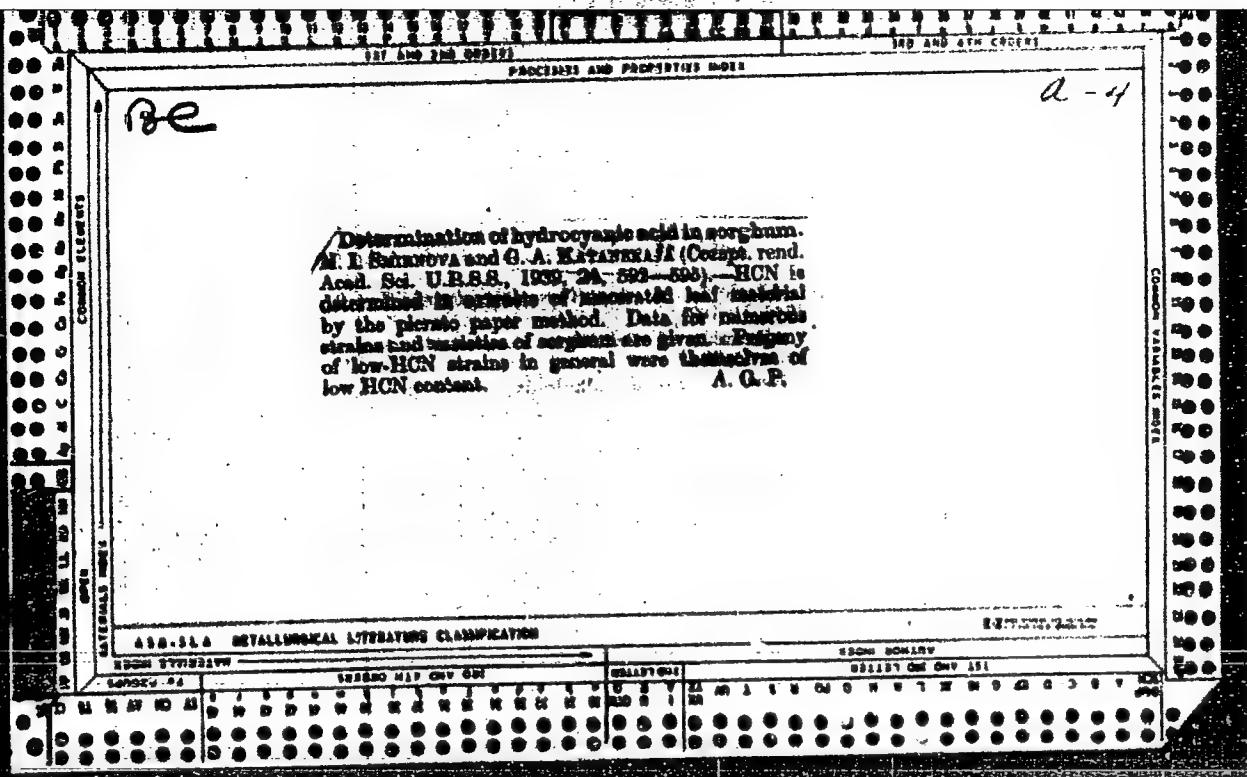
[Comprehensive laboratory manual on microbiology] Bol'shoi praktikum po mikrobiologii. [By] T.V. Aristovskaya i dr. Pod obshchei red. G.L. Selibera. Moskva, Vysshiaia shkola, 1962. 490 p.

(MIRA 16:3)

(MICROBIOLOGY--LABORATORY MANUALS)

- Biochemical method of large-scale extraction of prussic acid in soya-beans for breeding purposes. M. I. Smirnov and G. A. Katsenbach. - *Compt. rend. acad. sci. U. R. S. S.*, 5, 24, 592-6 (1939) (in English). - One-g. aliquot of leaves was triturated with glass and a few drops of toluene in a porcelain mortar. The mass obtained was placed in a graduated flask and made up to 100 cc. with H_2O . The flask was corked tightly, allowed to stand at room temp. for 12 hrs. during which time the extn. and splitting up of the glucoside were taking place and the HCN was partly liberated. Then the contents of the flask were stirred and 5 cc. of the suspension was drawn off into a conical flask (30 mm. high and 20 mm. wide at the bottom). The flask was tightly closed with a cork which had a strip of pierate paper (4 mm. \times 30 mm.) attached by means of paraffin. It was kept in the dark at room temp. for 48 hrs. Two flasks were loaded with each of the samples. The intensity of the color assumed by the paper was used to est. the HCN content by comparison with the results obtained from standard solns. contg. KCN and tartaric acid.

Biochemical Lab, Plant Breeding Inst.



KATANSKAYA, G.A.

SELIBER, G.L.; KATANSKAYA, G.A.

Effect of restricted air supply on the formation of fat by
microorganisms. Doklady Akad. nauk SSSR 76 no.5:727-730 11
Feb 51. (CLML 20:5)

1. Presented by Academician A.I.Oparin 19 December 1950.

KATANSKAYA, G. A.

SELIKER, G. L.; KATSNELSON, R.S.; SKALON, I.S.; and KATANSKAYA, G.A.

"Table of Contents and Extracts from 'Experimental Microbiology',"
Mikrob. v Opytakh, 1953

Translation M-414, 2 May 55

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721110015-3

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721110015-3"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721110015-3

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721110015-3"

SELIBER, G.L., professor; KATANSKAYA, G.A.; MAKAROVA, M.M.; LAZAREVA, N.N.; NORKINA, S.P.; SHKLYAR, M.S.; MARKOVA, Z.S.

The section "Bacteria" in the book by N.M.Verzilin "Principles of the methods of teaching botany". Reviewed by G.L.Seliber and others.
Est. v shkole no.4:89-91 Jl-Ag '56. (MIRA 9:9)

1.Yestestvenno-nauchnyy institut imeni P.F.Lesgafta (for Seliber, Katanskaya). 2.Institut sel'skokhozyaystvennyy mikrobiologii Vsesoyuznay akademii sel'skokhozyaystvennykh nauk imeni V.I.Lenina (for Makareva, Lazareva, Norkina, Shklyar, Markova. (Bacteria) (Verzilin, N.M.)

KATANSKAYA, G.A.

SELIBER, G.L.; KATANSKAYA, G.A.

"Methodological principles in teaching botany." Section: Bacteria;
Chapter 14, N.M.Versilin. Reviewed by G.L.Seliber, G.A.Katanskais.
Mikrobiologiya 25 no.5:639-640 8-0 '56. (MIRA 10:1)
(BACTERIOLOGY--STUDY AND TEACHING)
(VERSILIN, N.M.)

KATANSKAYA, Galina Anatol'yevna; CHIZHOVA, K.N., red.; PAN'SHINA, L.N.,
red.izd-va; SHLYK, M.D., tekhn.red.

[Calculations in the biochemical analysis of botanical materials;
tables of analytical calculations and graphs] Raschety rezul'tatov
biokhimicheskikh analizov botanicheskogo materiala; raschetnye
analiticheskie tablitsy i grafiki. Moskva, Gos.izd-vo "Sovetskaya
nauka", 1959. 110 p. (MIRA 12:11)
(Plants--Chemical analysis--Tables, etc.)

KATANSEKAYA V. N.

Living mass of higher aquatic plants in lakes of the Karelian
Isthmus. Trudy Lab. czeroved. 3:102-117 '54. (MLRA 8:2)
(Karelian Isthmus—Aquatic plants)

KATANSKAYA, V.M.; TIKHOVSKAYA, Z.P.; KISELEV, I.A.; GYURBENET, Ye.R.; KALININA,
A.V.

"Hydrobotany" [in German], vol.1: Conservation of energy, by Fr. Gessner.
Reviewed by V.M. Katanskaya and others. Bot. zhur. 42 no.1:119-127 Ja '57.
(Marine flora) (Fresh-water flora) (Botany--Ecology)
(Gessner, Fr.)

KATANSKAYA, V.M.

Aquatic vegetation of the Amu Darya Delta. Trudy Lab. ozeroved.
8:113-228 '59. (MIRA 13:2)
(Amu Darya Delta--Fresh-water flora)

KATANSKAYA, V.M.

Materials on the study of the productivity of aquatic plant
growths in the Amu Darya Delta. Trudy Lab. ozeroved. 10:193-
249 '60. (MIRA 14:6)
(Amu Darya Delta--Fresh-Water flora)

KATANSKAYA, V.M.

Seasonal development of aquatic vegetation in lakes of the Karelian
Isthmus. Trudy Lab. ozeroved. 11:116-150 '60. (MIRA 14:8)
(Karelian Isthmus—Fresh-water flora)

KATANSKAYA, V.M.

Productivity of the plant cover in some lakes of the Karelian
Isthmus. Trudy Lab. ozeroved. 11:151-177 '60. (MIRA 14:8)
(Karelian Isthmus--Fresh-water flora)

KATANSKIY, B. A.

166T70

USSR/Metals - Testing, Equipment

Jul. 50

"Application of the Oscilloscope for Temperature Recording in the Process of Induction Heating of Steel," G. F. Golovin, B. A. Katanskiy, Sci Res Inst for Industrial Application of HF Currents

"Zavod Lab" Vol XVI, No 7, pp 886-887

Describes experiment for employing loop oscillograph in investigations of critical points of steel during rapid heating. Oscilloscope recorded readings of thermocouple welded to specimen under investigation. Used miniature magnetoelectric microammeter somewhat modified as a loop of the

166T70

USSR/Metals - Testing, Equipment (Contd) Jul 50

oscilloscope. Analysis of oscillosograms obtained by this instrument proved satisfactory accuracy in measurements.

166T70

VOLKOV, Yevgeniy Borisovich, dots., kand. tekhn. nauk, inzh.-polkovnik;
KISELEV, S.P., red.; KATANUGIN, M.Ye., red.; KRASAVINA, A.M.,
tekhn. red.

[Rocket engines] Raketnye dvigateli. Moskva, Voen. izd-vo M-va
oborony SSSR, 1961. 58 p. (MIRA 14:12)
(Rockets (Aeronautics))

MOROZOV, Pavel Vasil'yevich, inzh.-mayor; KATANUGIN, M.Ye., red.;
KISELEV, S.P., red.; MEDNIKOVA, A.N., tekhn. red.

[Guided rocket weapons] Upravliaemoe raketnoe oruzhie. Moskva,
Voen. izd-vo M-va oborony SSSR, 1961. 87 p. (MIRA 14:12)
(Guided missiles)

KATANYAN, A. A.

Katanyan, A. A. "Electrocardiographic changes under the influence of the Dzermuk mineral baths", in the collection: B l'neo-klimatich. kurort Dzhermuk, Issue 1, Yerevan, 1948, p. 174-83.

SO: U-2888, 12 Feb. 53, (L_ptopis' Zhurnal 'nykh Statey, NO. 2, 1949).

KATANYAN, A. A.

Katanyan, A. A. "Changes in the blood at the high balnec-climatic spa of Dzhermuk", in the collection: B^{al}'nec-klimatich. kurort Dzhermuk, Issue, 1, Yerevan, 1948, p. 225, 34.

SO: U-2888, 12 Feb. 53, (Letopis' Zhurnal 'nykh Statey, NO. 2, 1949).

KATANYAN, Al'ma Aleksandrovna.

Academic degree of Doctor of Medical Sciences, based on her defense, 30 November 1954, in the Council of Yerevan Medical Inst, of her dissertation entitled: "Condition of the Vascular System (Tonicity and Permeability) in Individuals Long Ill with Malaria."

Academic degree and/or title: Doctor of Sciences

SO: Decisions of VAK, List no. 12, 28 May 55, Byulleten' MVO SSSR, No. 15, Aug 56, Moscow, pp. 5-24, Uncl. JPRS/NY-537

MNATSAKANOV, T.S., zasl.deyat.nauki, prof.; KATANYAN, A.A., doktor med.nauk, dotsent; DARBINYAN, G.L., kand.med.nauk; MARGIZIAN, G.A.

Clinical observations of the cardiovascular reaction in patients with hypertension of the first and second stages being treated at the Dzhermuk health resort. Vop.kardiol. no.1:37-48 '56.

(MIRA 12:9)

1. Iz Pak.terap. kliniki Yerevanskogo meditsinskogo instituta.
(CARDIOVASCULAR SYSTEM) (HYPERTENSION) (DZHERMUK--HYDROTHERAPY)

KATANYAN, N. G.

USSR/Human and Animal Physiology. Circulation.

T-5

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 65286

Author : Mnatsakanov T.S., Katanyan N.G.

Inst : The Republican Clinical Hospital of the Armenian SSR

Title : The Development of Cardiac Insufficiency in Hypertensive Disease

Orig Pub : Sb. nauchn, tr, Resp, klinich, bol'nitsy ArmSSR, 1957, 1,
13-26

Abstract : As a result of a study of 187 patients with hypertensive disease, cardiac insufficiency associated with hypertension was divided into the following types: slowly progressive cardiac insufficiency with the left ventricle primarily affected and considerable disturbance in the coronary circulation; slowly progressive insufficiency with the right ventricle involved primarily and acute attacks of left ventricular weakness; acute cardiac weakness with marked left ventricular and coronary insufficiency; a mild degree of

Card : 1/2

51

KATANYAN, A. A.

USSR/Human and Animal Physiology - Blood Circulation.
Vessels.

T-6

Abs Jour : Ref Zhur - Biol., No 10, 1958, 46037

Author : Katanyan, A.A.

Inst : Hospital Clinic of the ArmSSR.

Title : Tonus and Vascular Permeability in Patients with Chronic
Malaria.

Orig Pub : Sb. nauchn. tr. Resp. klinich. bol'nitsy ArmSSR, 1957,
1, 37-42.

Abstract : No abstract.

Card 1/1

KATANYAN, A.A.

MNATSAKANOV, T.S., zasluzhennyj deyatel' nauki professor; KATANYAN, A.A.,
doktor meditsinskikh nauk

Disorders in coronary circulation in rheumatic fever. Terap.arkh.
29 no.6:57-61 Je '57. (MIRA 10:10)

1. Iz fakul'tetskoy terapevticheskoy kliniki (zav. - prof. T.S.
Mnatsakanov) Yerevanskogo meditsinskogo instituta.
(RHEUMATIC HEART DISEASE, case reports,
coronary disord. (Rus))

MNATSAKANOV, T.S., KATANYAN, A.A., NARGIZYAN, G.A.

Effect of Dzhermuk mineral bath on hemodynamics. Vop.fizioter.
i lech. fiz.kol't. 23 no.6:498-502 N-D '58 (MIRA 11:12)

1. Iz fakul'tetskoy terapevticheskoy kliniki (zav. - zasluzhennyj
deyatel' nauki prof. T.S. Mnatsakanov) Yerevanskogo meditsinskogo
instituta.

(CARDIOVASCULAR SYSTEM)
(DZHERMUK--MINERAL WATERS)

MHATSAKANOV, T.S., prof.; KATANYAN, A.A., prof.; MARGIZYAN, G.A., kand.
med.nauk

Carditoxin treatment of patients with chronic circulatory insufficiency. Sov.med. 24 no.1:89-93 Ja '60. (MIRA 13:5)

1. Iz kliniki fakul'tetskoy terapii (zav. - prof. T.S. Mnatsakanov)
Yerevanskogo meditsinskogo instituta.
(DIGITALIS therapy)

KATANYAN, A.A., prof.; NARGIZIAN, G.A., kand.med.nauk

Prolonged anticoagulant therapy of patients with coronary atherosclerosis and stenocardia. Terap.arkh. 32 no.10:55-58 '60.
(MIRA 14:1)

1. Iz terapevticheskoy kliniki (zav. - prof. A.A. Katanyan)
fakul'teta usovershenstvovaniya vrachey Yerevanskogo meditsinskogo instituta.
(CORONARY HEART DISEASE) (ANTICOAGULANTS)

KATANYAN, A.A., prof. (Yerevan)

Changes in the prothrombin index and fibrinogen in rheumatic fever and rheumatic heart defects. Klin.med. 39 no.2:113-116
F '61. (MIRA 14:3)

1. Iz kafedry terapii fakul'teta usovershenstvovaniya vrachey
Yerevanskogo meditsinskogo instituta (dir. - prof. L.B.
Arutyunyan).
(RHEUMATIC FEVER) (RHEUMATIC HEART DISEASE)
(BLOOD—COAGULATION)

KATANYAN, A.A., prof.; NARGIZYAN, G.A., kand.med.nauk

Study of the functional state of coronary circulation during
the process of treatment in coronary atherosclerosis. Terap.
arkh. no.8:58-61 '62. (MIRA 15:12)

1. Iz kafedry terapii (zav. - prof. A.A. Katanyan) fakul'teta
usovershenstvovaniya vrachey Yerevanskogo meditsinskogo instituta.
(CORONARY HEART DISEASE) (ARTERIOSCLEROSIS)

MNATSAKANOV, T.S., zasl. deyatel' nauki, prof., red.; SIMONYAN, A.T.,
zasl. deyatel' nauki, prof., red.; KATANYAN, A.A., prof.,
red.; DZHANZHUTOVA, R.S., doktor med. nauk, red.; SAAKYAN, A.,
tekhn. red.

[Transactions of the 12th All-Union Conference of Therapeutists:
I. Pathology of the kidneys. II. Correlation between polyclinics
and hospitals] Trudy dvenadtsatoy vsesoyuznoy konferentsii tera-
pevtov: I. Patologiya pochek. II. Sviaz' poliklinik so statsiona-
rami; stenograficheskii otchet. Erevan, Aipetrat, 1962. 194 p.
(MIRA 16:1)

1. Vsesoyuznaya konferentsiya terapevtov. 12th, Erevan, 1960.
(KIDNEYS--DISEASES) (HOSPITALS)

KATANYAN, A.A., prof.; MANUKYAN, Ye.F., dotsent

Changes in the blood lipid content in atherosclerosis and hypertension during the process of treatment. Trudy Erev.med. inst. no.11:211-215 '60. (MIRA 15:11)

1. Iz kafedry terapii fakul'teta usovershenstvovaniya vrachey (zav. - prof. A.Katanyan) Yerevanskogo meditsinskogo instituta. (ARTERIOSCLEROSIS) (HYPERTENSION) (LIPIDS)